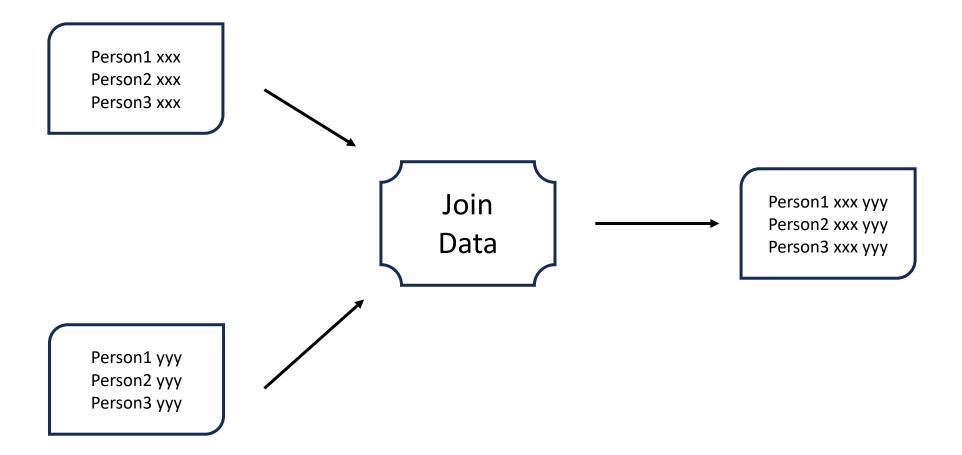
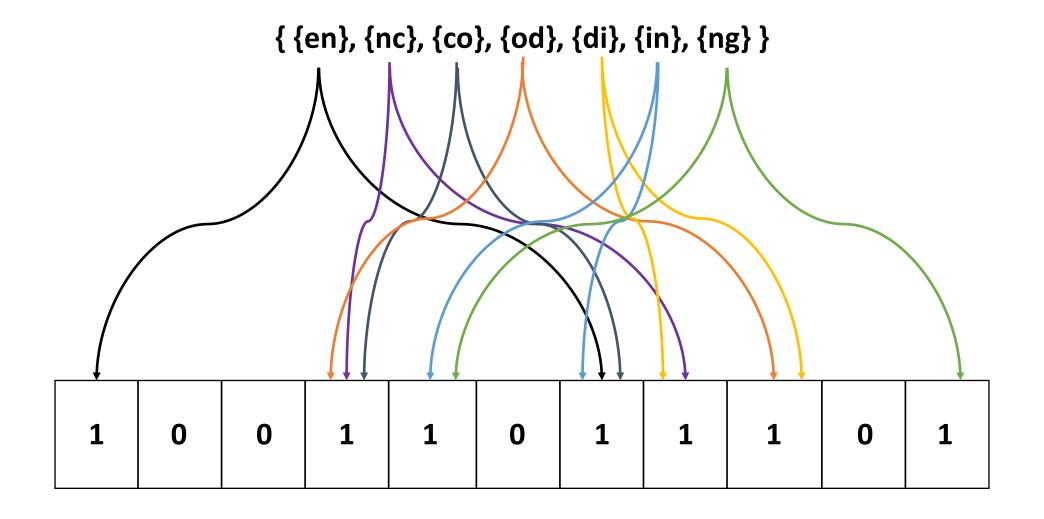
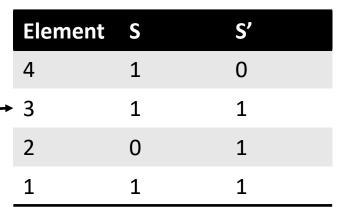


Researcher:







Element	S	S'
1	1	1
2	0	1 -
3	1	1
4	1	0

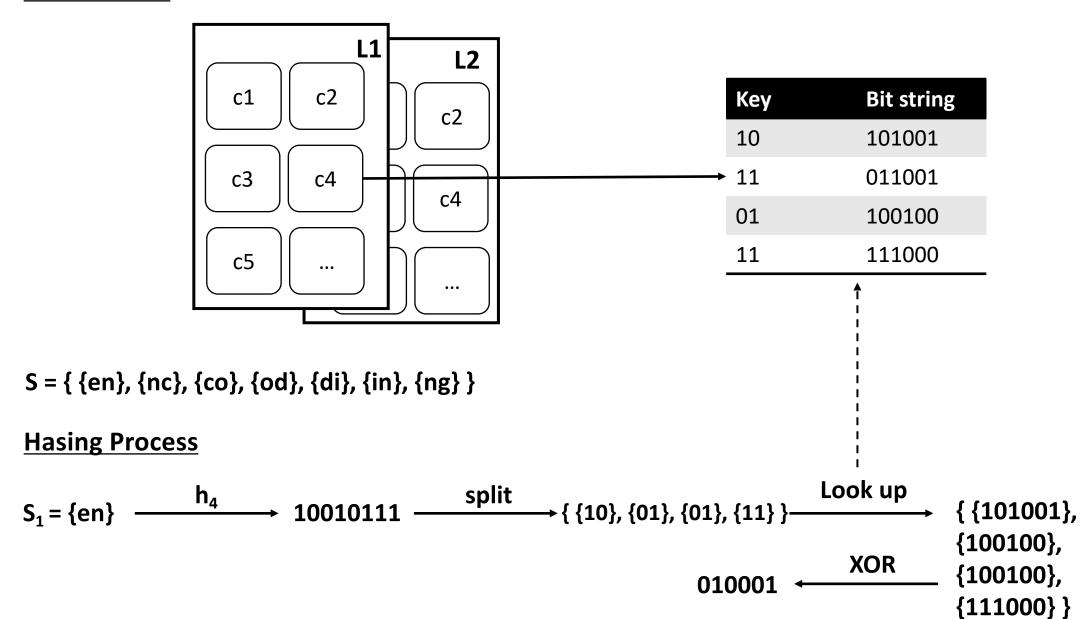
 $\boldsymbol{\pi_1}$

 π_2

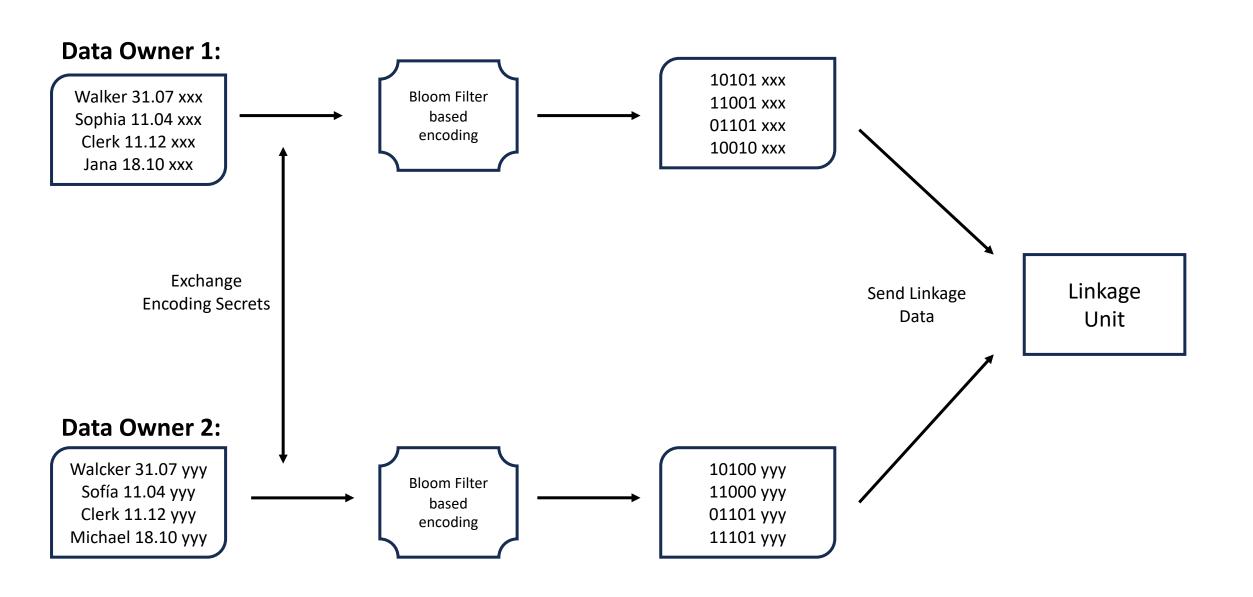
 $[1(\pi_1(S_1) = \pi_1(S'_1) + 1(\pi_2(S_1) = \pi_2(S'_1)] / 2$ = (1 * 0 + 1 * 1) / 2
= 1/2

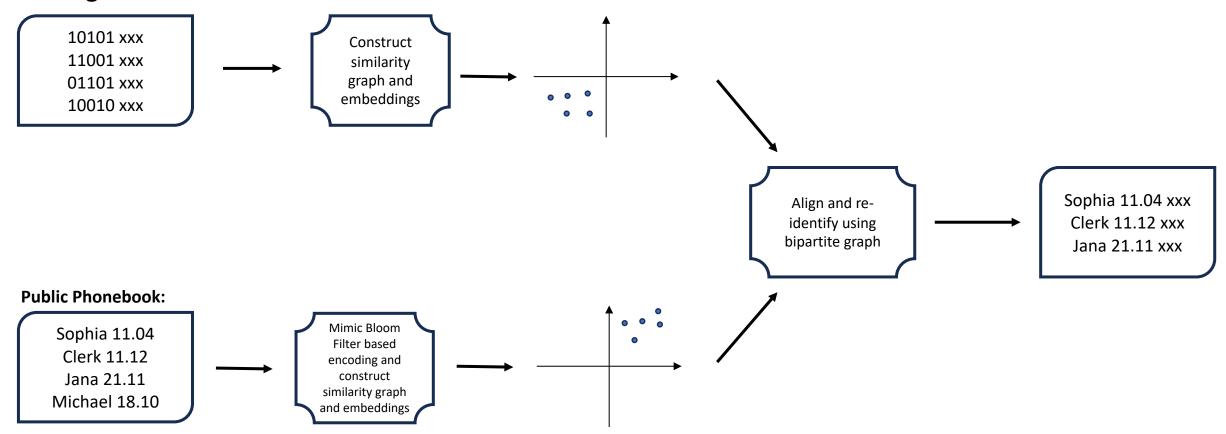
Element	S	S'
3	1	1
4	1	0
2	0	1
1	1	1

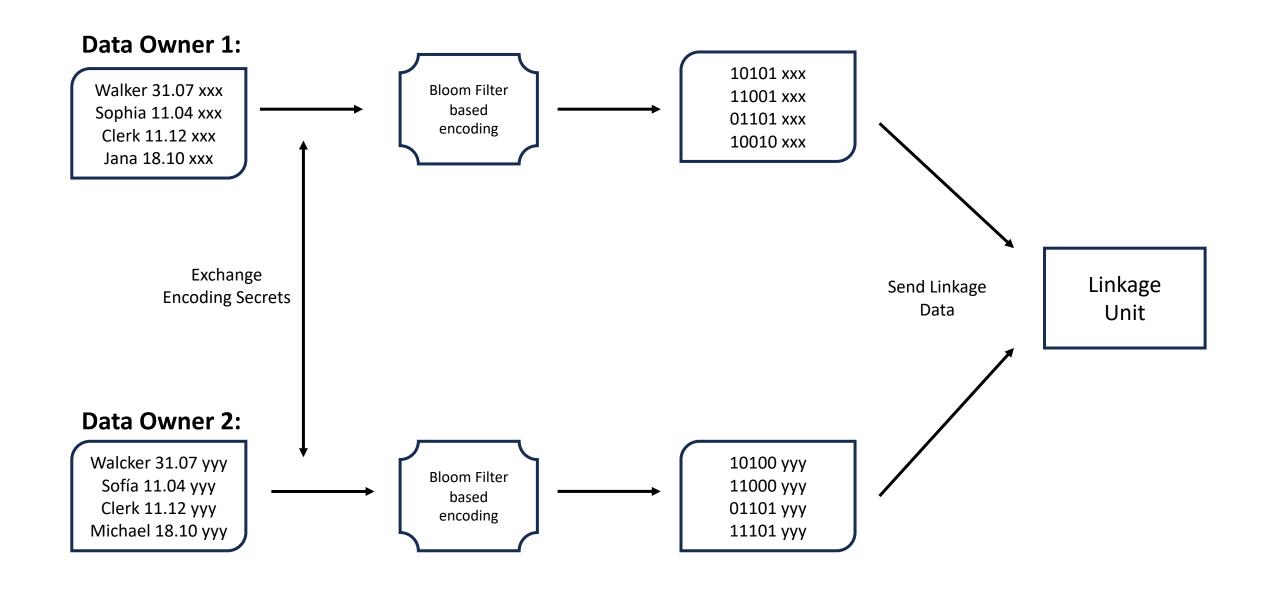
Initialization

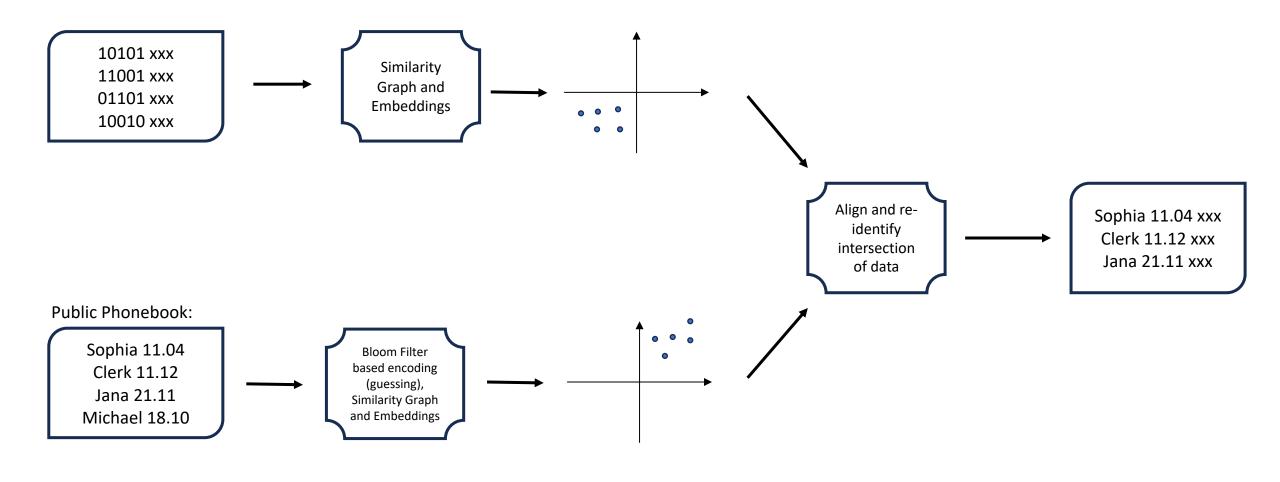


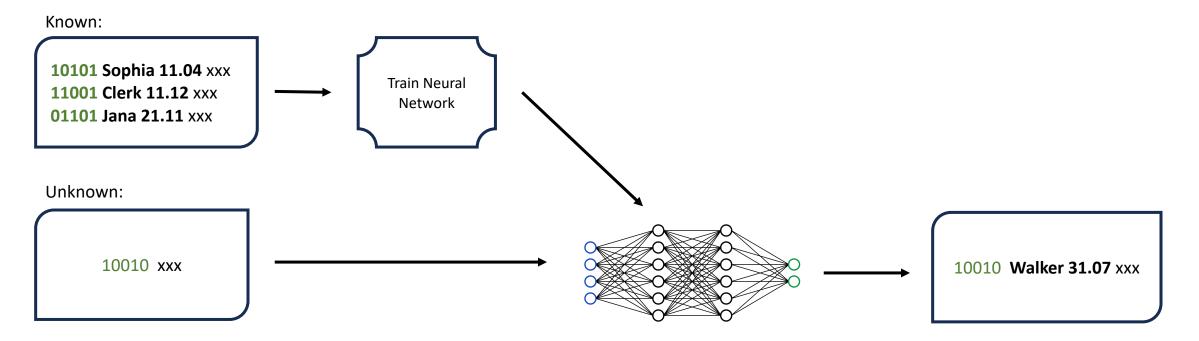
	11	12	13	14
$\mathbf{k_1}$	1	1	1	0
k_2	1	0	0	0
k ₃	0	0	1	0
k_4	1	1	0	0
ŀ	1′ ₁	h'2	h' ₃	skip#











Data Extraction

Data Preparation

Model Training

Application to Encoded Data

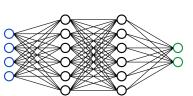
Refinement and Reconstruction

10101 Sophia 11.04 xxx 11001 Clerk 11.12 xxx 01101 Jana 21.11 xxx Encoding Tensor (Sophia):

[1,0,1,0,1]

Label Tensor (Sophia):

[aa: 0, [...], op:1, [...], so:1, [...]]



Input:

[1,1,0,0,0]

Output

[aa: 0, [...], ma:0.7, [...], rc:0.9, [...]]

